

PROPOSED CLAIM AMENDMENTS

Claims 1–22 are pending in the subject application. It is proposed that each of claims 1, 11 and 18 be amended as set forth herein. All claims currently pending and under consideration in the above-identified application are shown below. Upon entry of the proposed amendments, this listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An input device for scanning a biometric image, comprising:

a housing;

a scan head movably mounted to the housing[:]
wherein the scan head is comprised of at least a light source and a linear array of gradient indexed lenses;

a platen moveably mounted to the housing and the scan head for movement relative to the housing and the scan head between a first position and a second position; ~~and~~

a biasing device configured to bias the platen toward the first position[:];

a start of scan switch located such that the start of scan switch is activated when the platen moves in a downward translation from the first position; and

an end of scan switch located such that the end of scan switch is activated when the platen is at the second position.

2. (Original) The device of claim 1, further comprising an encoder target.

3. (Original) The device of claim 1, wherein the biasing device is an extension spring.

4. (Original) The device of claim 1, wherein the biometric image is a fingerprint.

5. (Original) The device of claim 2, wherein the encoder target comprises a non-repeating pattern.

6. (Original) The device of claim 2, wherein the encoder target is integrated into the platen.

7. (Original) The device of claim 2, wherein the scan head is adaptive to capture a scan line as the platen is moved.

8. (Original) The device of claim 2, wherein the scan head is configured to scan a pattern on the encoder target and to capture a scan line of the biometric image and the corresponding pattern on the encoder target.

9. (Original) The device of claim 8, wherein the pattern on the encoder target is used to combine a series of scan lines to form an image representative of the biometric image.

10. (Original) The device of claim 9, wherein the biasing device is a coiled spring.

11. (Currently Amended) An input device for scanning a biometric image, comprising:

a housing having an angled way;

a platen moveably mounted to the housing for movement between a first position and a second position, the platen being adaptive to receive the biometric image;

a scan head, comprised of at least a light source and a linear array of gradient indexed lenses, moveably mounted to the angled way, wherein movement of the platen causes the scan head to translate along the angled way; and an encoder target.

12. (Original) The device of claim 11, further comprising a spring, the spring biasing the scan head assembly against the platen so as to bias the platen toward the first position.

13. (Original) The device of claim 11, wherein the scan head is configured to scan a pattern on the encoder target and to capture a scan line of the biometric image and the corresponding pattern on the encoder target.

14. (Original) The device of claim 11, wherein a pattern on the encoder target is used to combine a series of scan lines to form an image representative of the biometric image.

15. (Original) The device of claim 11, wherein a force applied to the platen is transferred to the scan head so as to direct the scan head to traverse the platen.

16. (Original) The device of claim 13, wherein the pattern is used to combine a series of scan lines to form an image representative of the biometric image.

17. (Original) The device of claim 12, further comprising a spring, the spring biasing the scan head assembly against the platen so as to bias the platen toward the first position.

18. (Currently Amended) An input device for scanning a biometric image, comprising:

a housing having an angled way;

a platen moveably mounted to the housing;

an encoder target associated with the platen; and

a scan head, comprised of at least a light source and a linear array of gradient indexed lenses, moveably mounted to the angled way housing, wherein movement of the platen causes the scan head to traverse the platen, the scan head configured, in operation, to capture a scan line of the fingerprint image and a portion of a pattern on the encoder target while traversing the platen.

19. (Previously Presented) The device of claim 18, wherein the encoder target includes a pattern, the pattern being used, in operation, to combine a series of scan lines to form an image representative of the biometric image.

20. (Original) The device of claim 18, further comprising a biasing device, the biasing device configured to resist movement of the scan head from a first position to a second position.

21. (Original) The device of claim 18, wherein the encoder target comprises a repeating pattern.

22. (Original) The device of claim 18, wherein the platen provides a substantially flat contact surface for the biometric image.

23.-30. (Cancelled).